

Doctoral Program of Veterinary Science

獣医学専攻

帯広畜産大学大学院畜産学研究科

科目名：英 語

博士課程

English 1 / 4

令和3年度10月入学

令和4年度4月入学（第1回）

Question 1

Read the passage below and answer the questions.

著作権の関係上、表示できません。

[Source: Guyton and Hall Textbook of Medical Physiology, 12th edition]

Question 1-1

Choose the most appropriate word or phrase from the four choices for each blank (1-8). Write the corresponding letter (a—d) on your answer sheet.

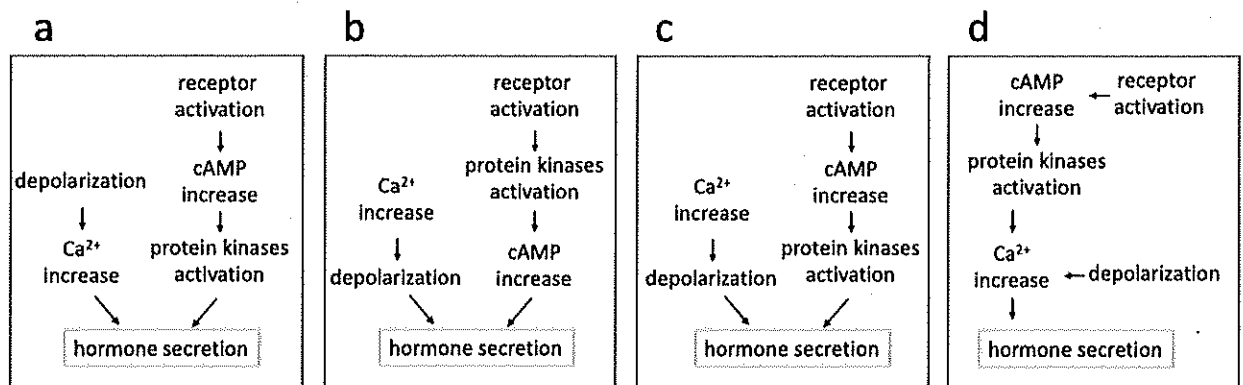
- | | | | |
|------------------------|---------------|--------------------------|-----------------|
| (1) a. of | b. in | c. to | d. for |
| (2) a. as few as | b. as many as | c. as well as | d. up to |
| (3) a. Of | b. In | c. To | d. For |
| (4) a. Golgi apparatus | b. lysosome | c. endoplasmic reticulum | d. mitochondria |
| (5) a. Golgi apparatus | b. lysosome | c. endoplasmic reticulum | d. mitochondria |
| (6) a. binds | b. binded | c. bond | d. bound |
| (7) a. endocytosis | b. exocytosis | c. phagocytosis | d. cotransport |
| (8) a. to entering | b. enter | c. to enter | d. in entering |

Question 1-2

Oxytocin is composed of nine amino acids. Which type is oxytocin generally classified in, “peptide hormone” or “protein hormone”?

Question 1-3

How is the secretion of protein hormones stimulated? Please select the most appropriate scheme from the following.



Question 1-4

Please select the phrase which is closest in meaning to the underlined phrase, “circulatory system”.

- a. cyclic adenosine monophosphate
- b. endocrine cell
- c. secretory vesicle
- d. blood stream
- e. interstitial fluid

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Question 2

Read the passage below and answer the questions.

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[Source: Immunobiology, 3rd Edition, 1997]

Question 2-1

Choose the most appropriate word or phrase from the four choices for each blank (1-8).

- | | | | |
|-----------------------|----------------|-------------|----------------|
| (1) a. to | b. with | c. of | d. on |
| (2) a. infected | b. immunized | c. healthy | d. sick |
| (3) a. non-infectious | b. virulent | c. strong | d. attenuated |
| (4) a. If | b. Because | c. Although | d. Even if |
| (5) a. eradicated | b. popular | c. endemic | d. pandemic |
| (6) a. of | b. by | c. to | d. on |
| (7) a. cancers | b. parasites | c. toxins | d. microsomes |
| (8) a. antibodies | b. complements | c. antigens | d. lymphocytes |

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[Source: Immunobiology, 3rd Edition, 1997]

Question 2-2

Which word is appropriate in each blank of the above sentence.

- A. Innate or Adaptive
- B. Innate or Adaptive

Question 2-3

Choose the most appropriate word from the five choices

Adaptive immunity is also called () immunity

- a. acquired
- b. natural
- c. congenital
- d. specific
- e. maternal

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Question 3-1

Read the following sentences and choose the most appropriate word or phrase from the four choices for each blank. Write the corresponding letter (a-d) on your answer sheet.

著作権の関係上、表示できません。

[Source: Chase C, Hurley D, Reber A. Neonatal Immune Development in the Calf and Its Impact on Vaccine Response. Vet Clin Food Anim 24 (2008) 87-104]

- | | | | |
|-------------------|-----------------------|--------------------|------------------|
| (1) a. in | b. on | c. at | d. for |
| (2) a. choice | b. idea | c. trouble | d. chance |
| (3) a. developed | b. protected | c. educated | d. handicapped |
| (4) a. at least | b. at last | c. in the least | d. less and more |
| (5) a. anoxemic | b. agammaglobulinemic | c. afibrinogenemic | d. hypocalcemic |
| (6) a. whereas | b. therefore | c. finally | d. similarly |
| (7) a. anatomical | b. radical | c. mathematical | d. functional |
| (8) a. on the way | b. in the way | c. at that time | d. all the time |
| (9) a. which | b. who | c. when | d. where |

Question 3-2.

On your answer sheet, write T if the statement is true or F if the statement is false according to the article.

- (1) Pre-suckling newborn calves are immunologically naïve because they do not have antibodies.
- (2) Maternal hormonal changes around the parturition may affect the immunological function of their calves.
- (3) Even colostrum-deprived calves begin to produce endogenous antibodies immediately after birth.
- (4) It takes several days for the amount of antibody in colostrum ingested by calves to be reflected in their blood levels.

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Question 4-1.

Read the passage below and choose the most appropriate word from the four choices for each blank.

Write the corresponding letter (a-d) on your answer sheet.

著作権の関係上、表示できません。

[Source: <https://www.cdc.gov/globalhealth/stories/>]

- | | | | |
|--------------------|----------------|---------------|----------------|
| (1) a. mammal | b. vertebrate | c. insect | d. reptile |
| (2) a. inexpensive | b. beautiful | c. valuable | d. deadly |
| (3) a. cockroach | b. spider | c. mosquito | d. beetle |
| (4) a. million | b. billion | c. trillion | d. quadrillion |
| (5) a. ill | b. wound | c. dead | d. sad |
| (6) a. valuable | b. preventable | c. affordable | d. acceptable |
| (7) a. licks | b. meets | c. bites | d. touches |
| (8) a. bear | b. born | c. bone | d. borne |